Into onal Application No PCT/GB2004/002748

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 A61M15/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7-A61M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

Category °	Citation of document, with Indication, where appropriate, of the relevant passages	Relevant to claim No.	
Х	WO 01/85097 A (INNOVATIVE DEVICES LLC) 15 November 2001 (2001-11-15) page 13, line 23 - line 36	1,2	
A	page 6, line 21 - line 26; figure 5a abstract	3–8	
X	EP 1 106 196 A (ATSUGI UNISIA CORP; DOTT LTD COMPANY (JP)) 13 June 2001 (2001-06-13)	1,2	
Y	column 24, line 27 - line 50; figures 1,32	3,4,8	
Υ	WO 02/094357 A (ASKING LARS; ASTRAZENECA AB (SE); HARWIGSSON IAN (SE); JONSTROEMER MI) 28 November 2002 (2002-11-28) page 14, line 19 - line 24; figures 17-20	3,4,8	
	-/		

X Further documents are listed in the continuation of box C.	Patent family members are listed in annex.		
Special categories of cited documents: 'A' document defining the general state of the art which is not considered to be of particular relevance 'E' earlier document but published on or after the international filling date 'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) 'O' document referring to an oral disclosure, u.se, exhibition or other means 'P' document published prior to the international filing date but later than the priority date claimed	 "T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family 		
Date of the actual completion of the international search 14 January 2005	Date of mailing of the International search report 2 8. 01. 2005		
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx, 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Valfort, C		

Intel Intel

	PCT/GB2004/002748
ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
US 4 811 731 A (RAND PAUL K ET AL) 14 March 1989 (1989-03-14) cited in the application abstract; figures	1-8
US 5 657 749 A (COX PETER ERICH) 19 August 1997 (1997-08-19) column 7, line 32 - line 58; figure 12	9-11
WO 01/17595 A (INNOVATA BIOMED LTD; BRAITHWAITE PHILIP (GB)) 15 March 2001 (2001-03-15) page 4, lines 4,5 page 4, line 25 - line 31	12-21, 39,40,42
page 8, lines 1-5; figures	41,43-47
DE 33 48 370 C (GLAXO GROUP LTD) 11 October 2001 (2001-10-11) abstract; figures	12-21
US 5 301 666 A (LERK COENRAAD ET AL) 12 April 1994 (1994-04-12) abstract; figure 12	12
WO 03/015857 A (JENNINGS DOUGLAS IVAN ; EDE ANDREW JOHN (GB); MERIDICA LTD (GB)) 27 February 2003 (2003-02-27)	22,31
page 16, line 1 - line 25; figure 17	23-30,32
EP 0 469 814 A (LILLY INDUSTRIES LTD) 5 February 1992 (1992-02-05) column 3, line 9 - line 21; figure 1	. 22
WO 96/33759 A (DURA PHARMA INC) 31 October 1996 (1996-10-31) abstract; figures	22
WO 03/024514 A (ADVENT PHARMACEUTICALS PTY LTD; ALLAN ROBERT DAVID (AU); PIKE GREGORY) 27 March 2003 (2003-03-27)	33
page 5, line 14 - page 7, line 2; figures 1,4,6	34–38
WO 02/24263 A (PIKE GREGORY CHARLES; GLAXO GROUP LTD (GB)) 28 March 2002 (2002-03-28) page 8, paragraph 2; figures 1-4	33
WO 95/11715 A (TENAX CORP) 4 May 1995 (1995-05-04) page 23, line 23 - page 24, line 8; figures 7B,9,11A-C	33
-/	
	US 4 811 731 A (RAND PAUL K ET AL) 14 March 1989 (1989-03-14) cited in the application abstract; figures US 5 657 749 A (COX PETER ERICH) 19 August 1997 (1997-08-19) column 7, line 32 - line 58; figure 12 WO 01/17595 A (INNOVATA BIOMED LTD; BRAITHWAITE PHILIP (GB)) 15 March 2001 (2001-03-15) page 4, lines 4,5 page 4, line 25 - line 31 page 8, lines 1-5; figures DE 33 48 370 C (GLAXO GROUP LTD) 11 October 2001 (2001-10-11) abstract; figures US 5 301 666 A (LERK COENRAAD ET AL) 12 April 1994 (1994-04-12) abstract; figure 12 WO 03/015857 A (JENNINGS DOUGLAS IVAN; EDE ANDREW JOHN (GB); MERIDICA LTD (GB)) 27 February 2003 (2003-02-27) page 16, line 1 - line 25; figure 17 EP 0 469 814 A (LILLY INDUSTRIES LTD) 5 February 1992 (1992-02-05) column 3, line 9 - line 21; figure 1 WO 96/33759 A (DURA PHARMA INC) 31 October 1996 (1996-10-31) abstract; figures WO 03/024514 A (ADVENT PHARMACEUTICALS PTY LTD; ALLAN ROBERT DAVID (AU); PIKE GREGORY) 27 March 2003 (2003-03-27) page 5, line 14 - page 7, line 2; figures 1,4,6 WO 02/24263 A (PIKE GREGORY CHARLES; GLAXO GROUP LTD (GB)) 28 March 2002 (2002-03-28) page 8, paragraph 2; figures 1-4 WO 95/11715 A (TENAX CORP) 4 May 1995 (1995-05-04) page 23, line 23 - page 24, line 8; figures 7B,9,11A-C

Int al Application No
PCT/GB2004/002748

		PC1/GB2004/002/48
	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	Relevant to claim No.
Category °	Citation of document, with Indication, where appropriate, of the relevant passages	Helevan to stam to.
X A	US 6 182 655 B1 (EGGIMANN THOMAS ET AL) 6 February 2001 (2001-02-06) column 13, line 1 - line 58 column 18, line 66 - column 19, line 4; figure 16	48,49, 52,53 50,51
A	GB 2 242 134 A (GLAXO GROUP LTD) 25 September 1991 (1991-09-25) page 20, line 1 - line 12; figure 16	48-53

mational application No. PCT/GB2004/002748

INTERNATIONAL SEARCH REPORT

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this international Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this international Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest The additional search fees were accompanied by the applicant's protest. X No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-8

A device for dispensing individual doses of powder from respective pockets of a carrier with a flow path downstream of each defined by walls unique for said pocket.

2. claims: 9-11

A device for dispensing individual doses of powder from respective pockets of a carrier with a first flow path communicating with the pocket and a second flow path bypassing said pocket.

3. claims: 12-21

A device for dispensing individual doses of powder from respective pockets of a pair of carriers.

4. claims: 22-32

A device for dispensing individual doses of powder from respective pockets of a carrier with a prodger/cam arrangement for rupturing the lidding sheet sealing the pockets.

5. claims: 33-38

A device for dispensing individual doses of powder from respective pockets of a carrier with priming member and and intermittent-motion for interaction with the priming member.

6. claims: 39-47

A device for dispensing individual doses of powder from respective pockets of a carrier with a changeover component and an indexing mechanism.

7. claims: 48-53

A device for dispensing individual doses of powder from respective pockets of a carrier with a counting mechanism for counting the number of doses dispensed to the user.

Information on patent family members

in nal Application No
PCT/GB2004/O02748

				101/40255	4/002/48
Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 0185097	A	15-11-2001	AU CA EP JP WO US	4977301 A 2404225 A1 1283731 A2 2004508072 T 0185097 A2 2002134382 A1	20-11-2001 15-11-2001 19-02-2003 18-03-2004 15-11-2001 26-09-2002
EP 1106196	Α	13-06-2001	JP JP EP EP US	2001161820 A 2001161788 A 1106196 A2 1475115 A2 6810872 B1	19-06-2001 19-06-2001 13-06-2001 10-11-2004 02-11-2004
WO 02094357	A	28-11-2002	BR CA EP NO NZ WO US	0209798 A 2446297 A1 1395318 A1 20035122 A 529504 A 02094357 A1 2004168687 A1	01-06-2004 28-11-2002 10-03-2004 17-11-2003 19-12-2003 28-11-2002 02-09-2004
US 4811731	A	14-03-1989	ATTUUERAHYEEEFFGGHHIELTPPPEKRUXLOZHLTE	396872 B 204086 A 591152 B2 6065586 A 905189 A1 8603576 A 1272917 A1 672600 A5 1481 A 3625685 A1 3682457 D1 360986 A ,B, 0211595 A2 2000781 A6 863094 A ,B, 2585563 A1 2178965 A ,B 861995 A1 67589 A 44182 A2 59026 B1 79550 A 1195984 B 1871546 C 62041668 A 5077433 B 3865 A 9402247 B1 86534 A1 171389 B 8601949 A 863062 A ,B, 217006 A 26882 A 260858 A1 83094 A ,B 8603252 A	27-12-1993 15-05-1993 30-11-1989 12-02-1987 29-01-1987 04-03-1987 21-08-1990 15-12-1989 08-12-1989 12-03-1987 19-12-1991 31-01-1987 25-02-1987 16-03-1988 31-01-1987 06-02-1987 04-11-1986 01-09-1989 29-02-1988 15-12-1993 10-06-1991 03-11-1988 06-09-1994 23-02-1987 26-10-1993 19-05-1989 19-03-1994 03-09-1987 22-10-1993 16-02-1987 26-04-1989 16-11-1992 21-04-1987 26-01-1987

nformation on patent raminy members

Inte onal Application No PC 1/ GB2004/002748

Patent document cited in search report		Publication date		Patent farmily member (s)	Publication date
US 4811731	A		SG US ZA	8789 G 5035237 A 8605655 A	07-07-1989 30-07-1991 27-05-1987
US 5657749	A	19-08-1997	AU AU DE DE DE JP NO PL RK AU CZ WO ES HUZ	677222 B2 4815893 A 69318306 D1 69318306 T2 659095 T3 0659095 A1 951127 A 3194956 B2 8501233 T 950932 A 308143 A1 2107517 C1 31195 A3 165519 T 4295993 A 2144343 A1 9500620 A3 9324166 A2 9406497 A1 2115777 T3 71298 A2 256006 A	17-04-1997 12-04-1994 04-06-1998 20-08-1998 22-02-1999 28-06-1995 10-03-1995 06-08-2001 13-02-1996 10-03-1995 24-07-1995 27-03-1998 06-12-1995 15-05-1998 30-12-1993 31-03-1994 18-10-1995 09-12-1993 31-03-1994 01-07-1998 28-11-1995 22-09-1997
WO 0117595	A	15-03-2001	AU BR CA EP WO JP NO NZ PL ZA	7019900 A 0013700 A 2382502 A1 1207926 A1 0117595 A1 2003508165 T 20021006 A 517240 A 354062 A1 200201517 A	10-04-2001 07-05-2002 15-03-2001 29-05-2002 15-03-2001 04-03-2003 28-02-2002 31-10-2003 15-12-2003 22-05-2003
DE 3348370	С	11-10-2001	DE AT AU AU AU BE CA CY DE DK ES FI	3348370 C2 396333 B 357683 A 570013 B2 1997783 A 584535 B2 8315587 A 897946 A1 8305562 A 1224992 A1 1236736 A2 662277 A5 1477 A 1478 A 3336486 A1 45198 A 464383 A 286422 U 833641 A ,B, 891175 A ,B,	11-10-2001 25-08-1993 15-12-1992 03-03-1988 12-04-1984 25-05-1989 21-04-1984 09-04-1984 04-08-1987 17-05-1988 30-09-1987 21-07-1989 21-07-1989 26-04-1984 20-12-1999 09-04-1984 01-02-1986 09-04-1984 13-03-1989

Information on patent family members

Int onal Application No PCI/GB2004/002748

Patent document cited in search report	Publication date	!	Patent family member(s)	Publication date
DE 3348370		FR GBB GK HE IIL INT PPPPPEERULLNOZZTE	2550452 A1 2570607 A1 2129691 A ,B 2169265 A ,B 79615 A1 67689 A 67789 A 56059 B1 56060 B1 69932 A 80468 A 160851 A1 1203660 B 4131250 U 6020532 Y2 59088158 A 1888266 C 5076872 B 5200100 A 3860 A 3861 A 9102248 B1 85034 A1 8303461 A ,B, 9700002 A ,B, 833667 A ,B, 205892 A 218860 A 77471 A ,B 458824 B	15-02-1985 28-03-1986 23-05-1984 09-07-1986 31-10-1984 01-09-1989 10-04-1991 10-04-1991 31-12-1987 30-11-1987 08-08-1987 15-02-1989 02-12-1992 01-06-1994 22-05-1984 07-12-1994 25-10-1993 10-08-1993 10-08-1993 02-06-1989 02-06-1989 02-06-1989 02-06-1989 02-06-1989 02-06-1989 02-06-1989 02-06-1989 02-06-1989 01-05-1984 02-06-1997 09-04-1984 31-07-1987 26-04-1989 01-11-1983 16-05-1989
US 5301666 WO 03015857 EP 0469814	A 27-02-2003	SE DE AT BR CA CN DE EP HU IL JP KR ZA CA EP WO HU US CA	458824 B 4211475 A1 139453 T 9204987 A 2084832 A1 1074381 A ,B 59206614 D1 0547429 A1 63774 A2 103908 A 3494669 B2 5245201 A 218816 B1 9209232 A 2456502 A1 1441790 A1 03015857 A1 0401029 A2 2004206773 A1	16-05-1989
	1992	EP JP	2047823 A1 0469814 A1 5123399 A	01-02-1992 05-02-1992 21-05-1993
WO 9633759	A 31-10-1996	US US AT	5622166 A 6328034 B1 258450 T	22-04-1997 11-12-2001 15-02-2004

nformation on patent family members

Int onal Application No
Puir GB2004/002748

Patent document	Τ-	Publication		Patent family	Publication
ited in search report		date		member(s)	date
0 9633759	Α		AU	695051 B2	06-08-1998
			AU	5251096 A	18-11-1996
			BG	62921 B1	30-11-2000
			BG	101992 A	31-07-1998
			BR	9608194 A	21-07-1998
			CA	2217672 A1	31-10-1996
			CN	1181709 A	13-05-1998
			CZ	9703349 A3	14-01-1998
			DE	69631419 D1	04-03-2004
			DE Ep	69631419 T2	11-11-2004
			HU	0835147 A1 9801656 A2	15-04-1998
			IL	117706 A	28-10-1998 30-11-1999
			JP	3574662 B2	06-10-2004
			JP	10512788 T	08-10-2004
			NO	974910 A	24-10-1997
			NZ	304654 A	28-01-1999
			PL	322909 A1	02-03-1998
			RO	115407 B1	28-02-2000
			RU	2162717 C2	10-02-2001
			SK	144697 A3	04-03-1998
			TW	384225 B	11-03-2000
			ÜS	2002040713 A1	11-04-2002
			WO	9633759 A1	31-10-1996
			ÜS	5921237 A	13-07-1999
			US	6029663 A	29-02-2000
			ΑU	729272 B2	01-02-2001
			ΑU	3646697 A	10-02-1998
			BR	9710880 A	17-08-1999
			CZ	9900189 A3	12-05-1999
			EP	0925084 A1	30-06-1999
			HU	9903819 A2	28-03-2000
			JP	2001507949 T	19-06-2001
			NO	990272 A	22-03-1999
			NZ	333685 A	29-09-2000
			NZ	505722 A	30-03-2001
			WO	9803217 A1	29-01-1998
WO 03024514	Α	27-03-2003	WO	03024514 A1	27-03-2003
			CA	2460904 A1	27-03-2003
			EP	1427465 A1	16-06-200
			US	2003178024 A1	25-09-200:
WO 0224263	Α	28-03-2002	AU	8771501 A	02-04-200
			WO	0224263 A2	28-03-200
			ΕP	1318849 A2	18-06-200
			JP	2004508898 T	25-03-200
WO 9511715	Α	04-05-1995	US	5388572 A	14-02-199
			ΑU	7393994 A	22-05-199
			BR	9407893 A	19-11-199
			CA	2157583 A1	04-05-199
			CN	1120812 A	17-04-199
			EP	0732951 A1	25-09-199
			FI	954099 A	01-09-199
				0004400 T	06-05-199
			JP	9504455 T	
			NO WO	9504455 1 953427 A 9511715 A1	09-10-199 09-10-199 04-05-199

nformation on patent family members

Inte nal Application No
PC1/GB2004/002748

		PC1/GB2004/002/48		
Patent document cited in search report	Publication date		Patent family member(s)	Publication date
US 6182655	B1 06-02-2001	AT AT AU CA CA WO DE DK DK EP ES GR NO NZ PT US ZA	193455 T 261324 T 718682 B2 7617396 A 2239292 A1 2392466 A1 9720589 A1 59605366 D1 59610935 D1 865302 T3 995457 T3 0865302 A1 0995457 A1 2148812 T3 2216418 T3 3034282 T3 2000501013 T 982516 A 322422 A 995457 T D469527 S1 9610296 A	15-06-2000 15-03-2004 20-04-2000 27-06-1997 12-06-1997 12-06-1997 06-07-2000 15-04-2004 02-10-2000 16-08-2004 23-09-1998 26-04-2000 16-10-2000 16-10-2000 16-10-2000 27-07-1998 28-02-2000 30-07-2004 28-01-2003 24-06-1997
GB 2242134	A 25-09-1991	AP OAT THE AUUUU BERAHN NICE COLOR OF FIRE FOR SELLING	1244655 B 3110477 B2	07-01-1994 15-09-1992 28-05-1996 15-10-1995 20-02-1997 16-06-1994 06-01-1994 05-09-1991 16-06-1992 05-11-1991 03-09-1991 28-02-1994 02-10-1991 06-09-1995 14-01-1998 20-02-1998 20-02-1998 20-02-1998 16-12-1998 05-09-1991 16-12-1992 03-09-1991 16-12-1992 03-09-1991 21-01-1999 20-09-1991 11-10-1991 20-07-1994 30-06-1992 17-02-1995 31-08-1996 11-09-1991 31-12-1995 08-08-1994 20-11-2000 11-08-1992

formation on patent family members

intq onel Application No PCI/GB2004/002748

Patent document clted in search report	Publication date		Patent family member(s)	Publication date
GB 2242134	Α	KR	210412 B1	15-07-1999
		KR	244004 B1	15-03-2000
		LU	87898 A1	16-11-1992
		NL	9100381 A ,B,	01-10-1991
		NO	910836 A	03-09-1991
		NO	302929 B1	11-05-1998
		NO	980033 A	05-01-1998
		NZ	237274 A	27-02-1996
		NZ	260140 A	27-02-1996
		PL	289264 A1	01-06-1992
		PT	96920 A ,B	29-01-1993
		SE	512934 C2	05-06-2000
		SE	9100582 A	03-09-1991
		SG	169094 G	28-04-1995
		SĪ	9110367 A	30-04-1995